

WHAT IS CLAIMED IS:

1. A compressor comprising:
 - a compressor housing;
 - 5 a plurality of cylinder bores made in the compressor housing and spaced from one another in a circumferential direction of the compressor;
 - a plurality of pistons reciprocally movable in the cylinder bores, respectively; and
 - a cylinder head opposite to one end of the compressor housing and
 - 10 defining a refrigerant suction chamber and a refrigerant discharge chamber each of which communicates with the cylinder bores, the cylinder head having a space located between the refrigerant suction chamber and the refrigerant discharge chamber.
2. The compressor according to claim 1, wherein the space is formed
- 15 by a groove which opens to the outside of the cylinder head.
3. The compressor according to claim 1, wherein the refrigerant suction chamber is at a radially center area of the cylinder head while the refrigerant discharge chamber is at a radially outer peripheral area of the cylinder head.
- 20 4. The compressor according to claim 3, wherein the refrigerant discharge chamber has an annular shape.
5. The compressor according to claim 1, wherein the cylinder head includes:
 - a part defining the refrigerant discharge chamber; and
 - 25 a heat-release protrusion formed on an outer surface of the part.
6. The compressor according to claim 1, wherein the cylinder head has a refrigerant path for establishing communication between the refrigerant suction chamber and the space, the space being tightly sealed with respect to

the outside of the cylinder head.

7. The compressor according to claim 6, wherein the refrigerant path is defined by a hole formed in the cylinder head.

5 8. The compressor according to claim 6, wherein the refrigerant path is defined by a groove formed in the cylinder head.

9. The compressor according to claim 1, wherein the space is divided in a circumferential direction of the cylinder head into a plurality of small spaces, the cylinder head having a reinforcing part formed between every adjacent ones of the small spaces and extending towards both the refrigerant suction chamber and the refrigerant discharge chamber.

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10. The compressor according to claim 1, further comprising a valve plate interposed between the compressor housing and the cylinder head.

11. The compressor according to any one of claims 1 to 10, wherein a carbon dioxide refrigerant is used as a refrigerant.